

INTERSESSION 2015 CATALOG OF OFFERINGS

NOTE ON INTERSESSION COSTS:

Fee waivers and/or reduction in costs for sessions are available to students who are eligible for financial aid. Students with demonstrated need (those paying a reduced IMSA student fee or otherwise affected by extenuating circumstances as determined by the Principal) are eligible for aid to offset intersession costs. If you feel you qualify, please stop by the Principal's Office and speak with Colleen Geihm.

CLOSED SESSIONS are not open for enrollment at this time. These sessions were previously offered to eligible students (e.g. some sessions were restricted due to stated prerequisites). **Students participating in a CLOSED SESSION do not need to complete the online registration form.**

The following intersession experience will be required for some students. Students will be notified of required participation prior to Intersession week. This experience will not be listed as a choice for students on the intersession request form, but is offered in the catalog for informational purposes only.

Mathematics Support

Part time Morning

Goals of the week: • Help students identify factors that are impeding their mathematical success • Identify and support areas of weakness (Mathematical content needs will be individually assessed and addressed.) • Provide opportunities for students to have fun in math – work to restore their enjoyment and confidence levels with math • Help students formulate a written plan of study habits and strategies that can be monitored for effectiveness in the upcoming semester/course • Communicate this plan, in writing, to spring semester math teacher.

Prerequisite(s) Any student who earned a C- or D in Geometry, MI1/2, MI2, MI3, or D in MI4, will be enrolled in this session. Any student who earned a C in these courses will be evaluated case-by-case for possible requirement to take this intersession. Selection will be made prior to the end of the semester based on input from mathematics instructors.

Note: A student may be moved out of another session into this one if the student's grade drops to the aforementioned level between the time that selection for this intersession is made and the end of the semester.

Cost(s) No Cost

Janice Krouse, IMSA Faculty jkrouse@imsa.edu

Richard Stalmack, IMSA Faculty rstalmack@imsa.edu

Don Porzio, IMSA Faculty dporzio@imsa.edu

**FULL TIME SESSIONS, Morning / Afternoon
8:30 AM – 11:30 AM, 1:00 PM – 4:00 PM**

Immersion Experience in France Spring 2015-CLOSED SESSION

Full time Morning/Afternoon

In January 2015, we will teach students and they will complete research and do presentations about daily life in France so they will be prepared to live with a French family and attend school for one week in [March 2015 near Lyon, France](#). We will require students to do 3 research projects. Pairs of students will research a monument in Paris and will present their research when we are in Paris. Pairs of students will also research and complete two presentations during Intersession week in January. One project will be on the city of Lyon and one on an aspect of CERN (European Organization for Nuclear Research - l'Organisation européenne pour la recherche nucléaire) in preparation for a visit and tour of this facility.

Students also will prepare a presentation about IMSA, Chicago, their hometown, or some aspect of life in the US that they will present to our host school in France, Le Lycée Charle Chaplin. In addition, we will take the train to Chicago one day during Intersession week to visit the Art Institute of Chicago. During the museum visit, students will complete activities we have created for viewing the museum's Impressionist art collection.

Prerequisite(s) Students must be signed up, have obtained a passport, and have paid for this Intersession to France by [January 2015](#).

Cost(s) Train ticket to Chicago (approximately \$7) and lunch at a café (approximately \$8-10) will be the students' responsibility, for the January portion of the intersession. \$3,000 for travel, students and their families pay.

Brenda Crosby, IMSA Faculty brendac@imsa.edu

Fiona Spence, IMSA Faculty fspence@imsa.edu

Robotics Engineering: Designing and Building a Competitive Robot for FRC

Full time Morning/Afternoon

The FIRST Robotics Competition (FRC) is an annual international competition where IMSA partners with mentors (professional Caterpillar engineers, alumni, and others) to design, build and program a robot for the competition. Intersession week is the first week after the the challenge is announced and an ideal time to design and begin building the robot. In the Intersession students will strategically analyze the competition to distill optimal design concepts. Utilizing these concepts, they will collaboratively design, draft, and prototype multiple robots and components in the search for an optimal design. They will also document the build process, design a website, create animations, and create a video for FRC. Students are encouraged to participate in the rest of the competition work that occurs in the five weeks following Intersession. Interested students are invited to attend the regional competition held in Chicago and possibly a second in another city, and if our team qualifies, to the championship in St. Louis.

Prerequisite(s) There are no prerequisites beyond a desire to learn about the design and construction of a competitive FRC robot

Cost(s) No Cost

Bud Bergie, IMSA Staff lbergie@imsa.edu

Pat Patankar, IMSA Faculty ppatankar@imsa.edu

Mark Carlson, IMSA Faculty mcarlson@imsa.edu

Diversity, Multiculturalism and Social Justice from an Urban Perspective

Full time Morning/Afternoon

Our nation is one of many diverse cultures and identities. Nowhere is this more apparent than in our large cities, such as Chicago. As IMSA community members, we strive to understand and appreciate the multiculturalism of the world around us, and the complex identities of our peers. In this Intersession, we will examine the effects culture, race, gender, sexual orientation, and socioeconomic status have on one's identity, particularly in the urban setting. We will critically examine these issues and how they play out in our lives in an urban setting. This trip will also include two day-long trips into Chicago where we will visit different cultural centers and other culturally significant landmarks.

Prerequisite(s) Must be a member of a Cultural Organization at IMSA or demonstrate that they have engaged in diversity/social justice work.

Cost(s) \$10 for Museum Entry, \$40 for Lunch. Transportation covered by Diversity Budget.

Adrienne Coleman, IMSA Staff acoleman@imsa.edu

Eric Hetland, IMSA Staff ehetland@imsa.edu

Student Inquiry and Research for Intersession

Full-time Morning/Afternoon **or**

Half-time Morning or Afternoon

Please mark form Full-time or Half-time

Students who are enrolled in the Student Inquiry and Research (SIR) Program may elect to pursue their investigations for full-time or half-time commitment in order to advance their work.

Prerequisite(s) Students must be enrolled in the SIR Program and be in good standing. Students will need to submit a plan of what they intend to accomplish in advance of Intersession. They will need permission of the Coordinator of SIR and their advisor. Students are expected to provide their own transportation off-site; exceptions should be discussed prior to signing up for SIR for Intersession.

Cost(s) No Cost

Judy Scheppler, IMSA Staff quella@imsa.edu

IMSA-PTHS Student Exchange-CLOSED SESSION

Full time Morning/Afternoon

IMSA students of Russian will travel to St. Petersburg, Russia, for two weeks (March 29-April 12), live with host families, attend classes at PTHS (Physical-Technical High School), and tour St. Petersburg and its environs. During Intersession week students will attend full-time orientation sessions designed to prepare them to better understand and appreciate Russia's culture, customs, and people.

Prerequisite(s) Current enrollment in Russian 2 or Russian 3. Strong academic record in Russian and all other classes. An exemplary IMSA discipline record. Willingness/ability to host a PTHS student for home stay in January 2016. Priority will be given to IMSA students who hosted PTHS students in January 2014. This intersession is closed.

Cost(s) Students will pay approximately \$2,300 for the trip. This amount includes air fare, a visa, travel insurance, and a cultural program. PTHS will provide IMSA students with room and board.

Paavo Husen, IMSA Faculty paavo@imsa.edu

Physics of Atomic Nuclei

Full time Morning/Afternoon

Students will learn background information related to nuclear astrophysics through interactive lectures, conduct discovery based experiments using 3 different radiation detectors, and present their results. Students will learn soldering skills to assemble a Geiger Counter and also about computer-detector interface. Students may keep the detector they build and will receive a cable to connect it to their laptop for data logging. Students will also learn about the ways in which nuclear science impacts society.

Prerequisite(s) Eagerness to learn about nuclear science, related social impacts, detectors, and electronics. Students should bring their laptops each day.

Cost(s) No Cost. The Joint Institute for Nuclear Astrophysics will cover the cost of materials and supply soldering irons.

Micha Kilburn, IMSA Class of 1995 mkilburn@nd.edu

Food to Share / Eating Together

Full time Morning/Afternoon

Students will be engaged in cooking food for a group meal everyday, and also in the preparation of hors d'oeuvres for the Student Art Show Opening, which they will cater. Daily lunches (Monday through Thursday) will feature food from a variety of cultures. We will also make ice cream—a perennial favorite, using some non-traditional ingredients. The primary focus for students will be on food preparation, but they will also be engaged in all aspects of planning for the exhibit opening event, such as publicity and e-invitations, posters and signage, and event set-up and serving the food.

Prerequisite(s) None

Cost(s) Food for the Art Show opening event will come from the IRC's budget. Costs for the Eating Together part of this session will be divided among the participants. (estimated costs per participant: between \$50 and \$75)

Jonathan Besancon, IMSA Faculty sensei@imsa.edu

Amy De La Torre, IMSA Student adelatorre@imsa.edu

Anna Borromeo, IMSA Student aborromeo@imsa.edu

Martial Arts Training Camp

Full time Morning/Afternoon

This Intersession is designed for anyone with an interest in martial arts, regardless of previous experience. While the course will focus primarily on teaching the techniques and history of Matsubayashi Shorin-Ryu, techniques and ideas from other styles of martial arts may be included. Traditional techniques, kata (traditional set patterns of movements), kumite

(sparring), and basic self-defense will be taught. Examples of the martial arts in movies will also be explored and discussed. Additionally, there will be a self-defense seminar held at IMSA by Sensei Wyman Clark, 2nd degree black belt, and an optional dinner outing. The Intersession will conclude with a promotion test and friendly tournament.

Prerequisite(s) Although no previous experience in martial arts is necessary, students must have a basic level of physical endurance in order to complete the workouts and exercises each morning. Additionally, students will be required to wear a traditional white uniform to the classes, which will be available for purchase prior to the start of intersession.

Cost(s) The estimated cost is \$58.00 per female participant and \$66.00 per male participant. Students are responsible for covering these costs. The costs associated with this Intersession will be: \$35.00 for a traditional, white uniform (mandatory, unless the student owns one), \$3.00 for a mouth guard, \$8 for a cup & supporter (men only), and a \$20.00 equipment fee (mandatory).

Cynthia Nguyen Dang, IMSA Class of 2003 karatekid85@gmail.com
David Evenson, IMSA Staff drdave@imsa.edu

Chicago Innovation Ecosystem and the IMSA Innovation Hub

Full time Morning/Afternoon and Wednesday Overnight

Did you miss last year's Silicon Valley Intersession? This one is similar, with students exploring Chicago innovation hubs and incubators like 1871 (The Bunker, WiSTEM, EdTech), Impact Engine, University of Chicago, Northwestern and IIT as background for planning IMSA's Innovation Hub. This Intersession also leverages the focus of three team assignments related to our coming Innovation Hub physical space, future programming and marketing to tailor student interest. More detail: 1) Working with the architectural renderings, students collaborate with IMSA Chief Innovation Officer and Hub stakeholders to develop future programming topics, partners and opportunities; 2) Visiting and collaborating with Chicago Innovation Hubs to gain first hand knowledge about Innovation Hub pipeline partners, create opportunities to collaborate and gain knowledge from site visits to IIT, University of Chicago, Northwestern and 1871 (The Bunker, DeVry Ed Tech Incubator and WiSTEM. 3) Using the new name and branding identity, students work in teams to formulate marketing strategies for the Hub to attract IMSA students, other students and outside stakeholders; 4) Addressing concerns of Innovation Hub stakeholders mentioned during intake process (Padlet, Charrette, Naming & Branding, etc.) and formulating solutions; 5) IMSA students take feedback gained from stakeholder input (Design Charrette, Padlet, Naming & Branding) and help create a public campaign to roll out via social media and Internet (web page, iNews and more).

Prerequisite(s) None; current TALENT students and students active in planning for IMSA's Innovation Hub are preferred

Cost(s) \$125 per student for lodging and transportation plus an additional \$50 for food and expenses.

Britta McKenna, IMSA Staff bmckenna@imsa.edu
Jim Gerry IMSA Alumni Staff jgerry@imsa.edu

So You Think You Want to Be a Doctor?

Full time Morning/Afternoon

Through this week-long Intersession held at Rush University Medical Center in Chicago, students will learn more about a career as a physician, including what it is like to train and practice, as well as gain fundamental basic science knowledge and physical exam skills. Students will have the opportunity to interact with medical students and physicians throughout the week.

Prerequisite(s) Must be a junior or senior and not have previously attended this Intersession

Cost(s) \$25 to offset transportation costs.

Anthony Nuval, IMSA Class of 1998
Sharon Gates, Outside Advisor
Mark Kammrath, IMSA Faculty mkammrath@imsa.edu
Sam Pettigrew, IMSA Staff spettigrew@imsa.edu

Roadtrip Anyone? IMSA's Collaborative Relationships: IMSA Alumni, Students (SCIA), and Others

Full time Morning/Afternoon, Overnight Tuesday + Wednesday Nights, Thursday evening event in Chicago, and a Friday event at Fermilab

This intersession will be a practical experience of IMSA stakeholder meetings and events with current IMSA students, IMSA alumni, state legislators, and others. Participants will learn professional and networking skills, about the IMSA Fund for the Advancement of Education, and how IMSA works synergistically with State Legislators to advance IMSA's mission. In concert with SCIA, participants will have a chance to network with a number of important IMSA constituents throughout Illinois.

Prerequisite(s) None

Cost(s) Approximately \$350 per student. \$250 will need to be submitted before the trip for hotel and transportation costs, the balance is for meals and spending money.

Karin Han, Current Student khan@imsa.edu

Lisa Hellman, IMSA Staff lhellman@imsa.edu

Jameson O'Reilly IMSA Alumni Class of 2014 jorielly@gmail.com

Shruthi Mothkur IMSA Alumni Class of 2014 shruthi.mothkur@gmail.com

Two Minute Trailers

Full time Morning/Afternoon

This intersession seeks to teach IMSA students about cinema production and video editing. Students will divide up into several groups and use their new found knowledge in a competition to make the most entertaining movie trailer. Skills will include videography, script writing, video editing, and audio engineering.

Prerequisite(s) None

Cost(s) No Cost

Kevin Broy, IMSA Staff kbroy@imsa.edu

Malachi Loviska, IMSA Current Student mloviska@imsa.edu

Derek Lubecke, IMSA Current Student dlubecke@imsa.edu

Food, Fuel, Finance, and Formation: Re-generation through Permaculture

Full time Morning/Afternoon

Organic Food?!? Oil Shocks?!? Occupy Wall Street?!? Making sense of the past, present, and future crises in our "life support" systems is nearly impossible using our conventional mythologies. In this intersession, a very compressed Permaculture Design Course will be presented, with emphasis on applying Permaculture thinking to individual choice, local action, and the global economy. By the end of the course, students will present how Permaculture methods and understandings can be applied to a particular topic of interest to them.

Prerequisite(s) None

Cost(s) No Cost

David Haight, IMSA Class of 1999 dave@higherform.com

Micah Fogel, IMSA Faculty fogel@imsa.edu

Namrata Pandya, IMSA Faculty npandya@imsa.edu

FULL TIME SESSIONS, Afternoon/Evening

1:00 PM – 4:00 PM, 6:30 PM – 9:30 PM

Kings and Queens and Plots and Poison and Romance and War: The Medieval Version

Full time Afternoon/Evening

A former Queen of France becomes Queen of England, has four sons and three daughters, and ultimately plots the overthrow of her husband the King -- with the help of her sons. A terrifying Viking chieftain who cannot walk must be carried into battle on his own shield. A German Emperor names his own bishops, is condemned for doing so by the pope, repents before that pope on his knees in the snow, then goes home and resumes naming his own bishops. A King of France accuses a religious order of heresy, has the leader of the order burnt alive, then confiscates the order's wealth. Welcome to the Middle Ages, a time when political power is very much a personal matter.

Prerequisite(s) Nobility of Spirit, and a strong belief in the Great Order of Being

Cost(s) No Cost

Robert Kiely, IMSA Faculty oldstuff@imsa.edu
Claiborne Skinner, IMSA Faculty skinner@imsa.edu

**PART TIME SESSIONS, Morning
8:30 AM – 11:30 AM**

WeLEAD: Spreading Leadership Across the State

Part time Morning

The WeLEAD Intersession is a chance for Leadership Education and Development (LEAD) facilitators to provide high-school students from across the state with the opportunity to develop their leadership knowledge and application skills. In this session, participants will develop curriculum that relates to leadership theory and application, but is still relevant to high-school students from all over Illinois. All content creation, curriculum development, and logistical planning during Intersession will culminate in LEAD's very first "Visions: Making Ideas Reality" Workshop, which will be held in February. During this workshop high-school students from all over Illinois will be hosted at IMSA by facilitators, and will go through modules and activities to learn the ideas of Power of One, Transformational Leadership, Communications, Effective Presentations, Group Dynamics, and Power of Influence. Both LEAD facilitators and guest students will reflect on their development as a result of this experience.

Prerequisite(s) Students participating in intersession must be a LEAD facilitator, and will take part in extension of intersession: "Visions: Making Ideas Reality" Leadership Workshop (Feb 27 - Mar 1).

Cost(s) No Cost

Priya Trivedi, Current Student ptrivedi@imsa.edu
Lajvanthi Sudhakar, Current Student lsudhakar@imsa.edu
Michelle Hoehn, IMSA Staff mbanks@imsa.edu

Swimming for a Lifetime of Fitness

Part time Morning

In this intersession, we will work on the basics of stroke technique for each of the four competitive strokes, freestyle, backstroke, breaststroke, and butterfly, as well as the the survival strokes: elementary backstroke and sidestroke. We will start each day in the classroom to watch swimming video and talk about good technique and then head to the pool to practice. There will also be time for games in the pool including water volleyball and water polo.
Time Preference (Full time (8:30-11:30am, 1:00-4:00pm))

Prerequisite(s) None, non-swimmers are welcome. This is a great opportunity to learn to swim.

Cost(s) No Cost

Brooke Schmidt, IMSA Faculty bschmidt@imsa.edu
Billy Gentzler, IMSA Faculty wgentzler@imsa.edu

Thucydides: The Peloponnesian War

Part time Morning

This intersession will engage students in what is considered one of the single most important works of International Relations/History ever written. The Peloponnesian War covers the political, social, military and economic realities and personalities of the greatest conflict of the time, a thirty year war between Athens and Sparta. Using the Landmark Thucydides, students will open the layers of meaning and understanding that the work brings to International Relations. If time allows the session will also use the Peloponnesian War wargame. FYI: The expectation is that before the end of the intersession the participants will read all of the text (the text will be given to all students before Winter break).

Prerequisite(s) None

Cost(s) No Cost

Lee Eysturlid, IMSA Faculty leysturl@imsa.edu

The Teapot: Sculpture vs. Function

Part time Morning

Students will examine the relationship between form and function by hand building their own ceramic teapot. Historical/cultural and contemporary ideas of the teapot will be explored.

Prerequisite(s) None

Cost(s) No Cost, unless student wishes to purchase their own teapot handle

Clay Sewell, IMSA Faculty clay@imsa.edu

Nuclear Weapons and WMDs

Part time Morning

Back for its 7th intersession run, this class will explore some of the physics and material science behind nuclear weapons and their destructive effects. Other topics covered include which countries have access to them, how to defend against them, and what other WMDs exist - with a special focus on why Ebola would be a terrible WMD. Through lectures, 2-3 films, and discussion, we'll shed some light on a topic that rarely sees the light of day and explore the societal impact of having our collective finger on the button.

Prerequisite(s) None

Cost(s) No Cost

Eric Engelhard, Class of 1996 caliban1717@gmail.com

Mathematica

Part time Morning

Make great graphs! Solve difficult equations! Animations! Data analysis! Calculus! Chemical molecules! Music! Maps! And lots more! Mathematica is a large software program that is widely used for many purposes. We'll start at the beginning with tutorials and the help system, but participants may work on their own projects, depending on their abilities and interests. No previous experience with Mathematica or with other programming is required.

Prerequisite(s) Completion of MI 3 (or equivalent)

Cost(s) No Cost

Ruth Dover, IMSA Faculty dover@imsa.edu

Music Performance! Classical to Broadway

Part time Morning

Instrumentalists and Vocalists needed. Participants will develop and polish performance skills through practice, dialogue and individualized coaching sessions. Tips for professional performance techniques will be discussed. Students will have solo/ensemble opportunities in a variety of musical genres. The final goal will be a featured performance on Friday at the IMSArt Exhibit. If you are currently enrolled in a music course, this could also serve as an opportunity to prepare music for the IHSA Solo/Ensemble Contest and/or future concerts.

Prerequisite(s) Intermediate performance ability.

Cost(s) No Cost

MaryBeth McCarthy, IMSA Faculty mmccarthy@imsa.edu

Emily Sites, IMSA Faculty esites@imsa.edu

Bird Watching and Bird Behavior

Part time Morning

Students in this intersession will develop skills to identify birds by sight and sound. They also will explore various aspects of the behavior and natural history of birds. One or more field trips to nearby natural areas may be offered (weather permitting).

Prerequisite(s) None

Cost(s) No Cost

Joe Traina, IMSA Faculty jtraina@imsa.edu

Science on the Big Screen

Part time Morning

In this intersession, we will view clips from popular television programs/ movies and discuss the scientific information presented in these clips. We will ask students to identify the information and then ask them to determine if this information is accurate/ realistic. Topics may include but are not limited to massive outbreaks, environmental disasters, artificial intelligence and space exploration.

Prerequisite(s) An interest in science and movies.

Cost(s) \$5.00 for pizza, soda and other treats at the end of the week.

Deb Scarano, IMSA Faculty dscarano@imsa.edu

Jeong Choe, IMSA Faculty jchoe@imsa.edu

Anita White, IMSA Faculty awhite@imsa.edu

Science Bowl

Part time Morning

Science Bowl is an academic competition that tests students' knowledge in all areas of science. It uses a fast-paced question-and-answer format that is similar to Jeopardy or Scholastic Bowl. Sometimes the answers are surprising. In these cases we will stop the clock to have discussions about the underlying concepts. Categories include: Biology, Chemistry, Physics, Math, Earth & Space Science, and Energy. Many of the underlying principles are topics that are not covered in IMSA's core or elective science classes.

Prerequisite(s) Completion of SI courses or strong background across all disciplines in science.

Cost(s) No Cost

IMSA Faculty, Peter Clancy pclancy@imsa.edu

So You Want To Be a CEO

Part time Morning

Learn how today's companies work and what you need to know to manage and run one. Using real business case scenarios, explore concepts of complexity in systems through simulations, discussions and inquiry supported by applied mathematical tools (static, dynamic, difference and stochastic equations). As a CEO in this experience, optimize your business for maximum performance. Recommended for TALENT juniors and seniors.

Prerequisite(s) None

Cost(s) No Cost

Moises Goldman, Outside Advisor

Carl Heine, IMSA Staff heine@imsa.edu

Arrangement and Composition

Part time Morning

Very few songs are written for the instruments or performers you actually need. Most of the time, you need to adjust the music to fit the instruments, players, and occasion. But arrangement of a song is more than just transcribing notes; every arrangement is a composition in itself, requiring just as much skill and care as the original. Students in this course will learn about the craft of arrangement and orchestration, how to use the qualities of different instruments to their best potential, and how to adjust the harmonic or rhythmic structure of a song to suit their needs. In this course, students will create, perform, and record an arrangement of an existing song as they learn about the often-neglected art of arrangement.

Prerequisite(s) Proficiency in an instrument (which may be voice) and the ability to comfortably read and write music.

Cost(s) No Cost

Peter Dong, IMSA Faculty pdong@imsa.edu

Exploring Indian Culture Through Music and Dance

Part time Morning

Students will explore the role of dance and music in the evolution of Indian culture. Students will also have an opportunity to learn Indian classical dance and music and discuss Indian folklore and mythology and the foundation for the beliefs of the Indian subcontinent.

Prerequisite(s) None

Cost(s) No Cost

Somya Anjur, IMSA Faculty sanjur@imsa.edu

Shakespeare Workshop: The Bard on Stage and Screen

Part time Morning

Perhaps the greatest injury inflicted by high school English teachers on their students is forcing them to read Shakespeare, but maybe not for the reason students think. Shakespeare's plays are not written to be read, but to be seen, heard, and performed. This Intersession provides students with the opportunity to interpret and perform scenes from some of Shakespeare's most famous plays, including at least one from each of the traditional categories of comedy, tragedy, and history. Students will also watch, via film, portions of professional performances of some of these plays. Plays will include Hamlet, Henry V, Much Ado About Nothing, Taming of the Shrew, and Richard III.

Prerequisite(s) While it is not necessary (but encouraged) for students to read these plays in advance of the workshop, it is suggested, though not required, that students use online or other study guides to familiarize themselves with the basic plots and major characters.

Cost(s) No Cost

Adam Kotlarczyk, IMSA Faculty akotlarczyk@imsa.edu

Balsa Bridge Design, Building, and Testing

Part time Morning

This will be a very "hands-on" class. The first day of Intersession students will research basic design principles and design their bridge. Students will learn about compression, tension, and how triangles distribute these forces to add strength to bridges. The next three days will be spent building a bridge out of balsa sticks and glue. On the last day of Intersession, students will test the strength of their bridges in a "Bridge Bust" competition; bridges will be judged for their appearance/design and tested for strength. Note: students who wish to keep their bridge rather than have it tested for strength (which breaks the bridge) will be allowed to do so.

Prerequisite(s) None

Cost(s) No Cost

Dave DeVol, IMSA Faculty ddevol@imsa.edu

Chemistry Olympics

Part time Morning

In this intersession, students will participate in hands on chemistry activities. The competition is designed to test the knowledge of chemistry students. Events include, but are not limited to, performing timed laboratory experiments.

Prerequisite(s) Completion of SI Chemistry

Cost(s) No Cost

John Thurmond, IMSA Faculty jthurmond@imsa.edu

The Internet & Linux Systems (Beginner)

Part time Morning

Learn about core Internet services everyone uses and how they really work. Become more comfortable with Linux systems and learn basic concepts and tools common to all Unix variants. Spend time hands-on with the command-line/shell and use it to explore and create simple web pages and email from scratch.

Prerequisite(s) Interest in computing and the internet is required. No experience with Linux, Unix, or programming is expected or necessary. Students must bring laptop each day of class.

Cost(s) No Cost

Kevin Colby, Class of 1995 anarchy@imsaalumni.org

Bioinformatics Basics - Microbial Ecology and Evolution

Part time Morning

This class is an overview of microbial ecology/evolution, comparative genomics, and bioinformatics tools. We will look at the different types of sequence data available and discuss how they can be used to answer questions about microbes in the environment. Some topics include; community assembly techniques, bacterial species concepts, and inferring metabolic potential from bacterial genomes.

Prerequisite(s) Interest in microbiology and computation. Students must bring laptops.

Cost(s) No Cost

Sarah Stevens, Class of 2007 sstevens2@wisc.edu

PART TIME SESSIONS, Afternoon 1:00 PM – 4:00 PM

Cell Cycle and Viral Infection

Part time Afternoon

Students in this intersession will better understand the molecular controls of the eukaryotic cell cycle in relation to external stimuli. The Human Papilloma Virus, a cancer causing virus, will be examined as well, in its effects on the cell cycle. Students will collaborate to construct a detailed pictorial model of the topics covered. The final project will involve the completion of a scientifically accurate mural.

Prerequisite(s) None

Cost(s) No Cost

Don Dosch IMSA Faculty ddosch@imsa.edu

Sarah O'Leary-Driscoll IMSA Faculty soleary@imsa.edu

Putting your money where your spreadsheet is: A quantitative approach to financial options

Part time Afternoon

Since 2008, financial options have become extremely polarizing, and are even sometimes blamed for the recent recession. Options are financial products whose price is based on the value of an "underlying asset", often stocks. This intersession will give students the information to begin forming their own opinions as well as the skills to become involved with options. We will start by first understanding what options are, how to price them, and examples of where they may be useful. We will then turn our focus to some of the tools most helpful for analyzing them. We will learn to do some basic calculations on Excel and VBA and if there is enough time, we will learn R, a powerful yet simple statistical analysis tool. On the last day of class, we will test the programs/spreadsheets we have built and the knowledge we have gained in a market simulation game. This intersession will give students the tools to engage with options (and more generally finance), to independently learn more, and will provide them with concrete skills they can use if they choose to pursue an internship or position in finance. Depending on their availability, a broker or trader may also be invited to give a short lecture on his/her work.

Prerequisite(s) Students must have an interest in finance and be ready to engage with the course's topics. Students must have excel 2007 or 2010 and R (available free online) installed on their computers. They must also have read a short introductory reading by the first class (maximum of ten pages). Students are also encouraged to read Michael Lewis's *Liar's Poker*. Although it doesn't have anything to do with options, or data analysis, it provides a fun introduction to the world of finance. Euan Sinclair's *Option Trading* and the website FiveThirtyEight are also recommended.

Cost(s) No Cost

Saarthak Gupta, IMSA Class 2012 sgupta@deepsprings.edu
Daniel Gleason, IMSA Staff gleason@imsa.edu

Theater for Social Justice

Part time Afternoon

This intersession will be a workshop style introduction to Theater of the Oppressed, a type of theater developed in the 1970s by Augusto Boal in Brazil. Theater of the Oppressed focuses on bringing to light oppression of all kinds, either overt, or more deeply ingrained in a society or specific community, and creating a dialogue and theatrical experience centered around these injustices in order to create a better outcome in the future. This workshop will introduce participants to a brief history of Theater of the Oppressed, followed by games/theater exercises and discussions that will prepare participants to create short scenes outlining an experience with social injustice.

Prerequisite(s) None

Cost(s) No Cost

Bonny Sucherman, IMSA Staff bsucherman@imsa.edu
Joe Mastracola, IMSA Staff jmastracola@imsa.edu

The Internet and Linux Systems (Advanced)

Part time Afternoon

Learn about core Internet services everyone uses and how they really work. Review tools common to all Unix variants and explore tips and tricks for using them in shell scripts. Create simple PHP-driven web pages and create and use RESTful web services. Discuss other topics as they arise. This is NOT a continuation of the Beginner section, but parallels it. Students need not have taken the Beginner section previously. This will cover many of the same topics, just at a much deeper/college level for those with more experience in computing.

Prerequisite(s) Experience using some programming or scripting language and some experience using a Linux or Unix system is required. Students must bring a laptop every day.

Cost(s) No Cost

Kevin Colby, Class of 1995 anarchy@imsaalumni.org

HULA: Learning to dance within a historical & cultural context

Part time Afternoon

Learn basic HULA steps, combining them to create dances to several songs that are sung in both Hawaiian and/or English. The historical significance of HULA within the context of a culture's survival will be explored.

Prerequisite(s) Students should be dressed in comfortable attire (eg t-shirts).
For final performance: Girls can wear any outfit they can move in and still be modest (like when they lift their hands, their undergarments don't show): a dress, a blouse and skirt, or even a blouse and pants/jeans. Boys can wear any outfit they can move in as well: a button-down shirt and pants/jeans.

Cost(s) No Cost

Carmela Minaya, IMSA Staff cminaya@imsa.edu

Studying Avatar: The Science, Politics, and Society of Aang and Korra's World

Part time Afternoon

Avatar: the Last Airbender and Avatar: the Legend of Korra are fantasy stories that, unlike many TV shows aimed at children, devote a significant amount of time to showing the societal, economic, and political ramifications of people

having magical “elemental bending” powers. In this intersession we will study and discuss the scientific implications of these powers as well as how these stories describe how society and political structures are affected over long periods of time by having a sizable population of people having these powers.

Prerequisite(s) Students should be familiar with, and have seen most of the episodes in the Last Airbender and Legend of Korra series.

Cost(s) No Cost

Eric Hawker, IMSA Faculty ehawker@imsa.edu

Peter Dong, IMSA Faculty pdong@imsa.edu

Music and Technology: A Highly Selective History of Modern Music Composition

Part time Afternoon

This course will explore a number of major innovations in music composition in the course of the twentieth century in the genres of classical, jazz, and rock. Students will be exposed to a number of composers, some of them on the innovative fringes of their genre, as well as the technology that has affected how composers think about their craft. Through active listening and discussion students will find connections and departures in the pieces.

Prerequisite(s) None

Cost(s) No Cost

Eric Smith, IMSA Faculty esmith@imsa.edu

Lifecycle of a Start Up

Part time Afternoon

Experience the first year of a Start Up in one week. This action-packed simulation game realistically simulates starting a new tech business from scratch: developing an idea into a product or service, finding partners, creating a business model, designing marketing plans and media, raising investment from investors and sales. The goal is to end the week by making a profit. This entrepreneurial boot camp experience involves teamwork and problem solving to overcome challenges that occur during the lifecycle of a business. Participants may use this experience as a springboard to enter IMSA's Power Pitch contest.

Prerequisite(s) None

Cost(s) No Cost

Carl Heine IMSA Staff heine@imsa.edu

21st-Century Manga: Japanese Comics for Otaku

Part time Afternoon

With an explosive popularity in America fueled by anime, Japanese manga has become a major publishing force in this country and a significant influence on the American comics industry over the last two decades. This course will explore the distinctive content, artistic styles, and publication formats of various genres of translated manga through landmark series and award-winning works since 2000. We will also examine the manga-anime nexus by viewing a film adaptation of one of our readings. Readings include Hiromu Arakawa, *Fullmetal Alchemist*, Vol. 1; Inio Asano, *Solanin*; CLAMP, *xxxHOLiC Omnibus*, Vol. 1; Hajime Isayama, *Attack on Titan*, Vol. 1; Tite Kubo, *Bleach*, Vol. 1; Taiyo Matsumoto, *GoGo Monster*; Yoshiki Nakamura, *Skip Beat! (3-in-1 Edition)*, Vol. 1; Tsugumi Ohba and Takeshi Obata, *Death Note*, Vol. 1. Students should obtain all the books and complete the longer readings (Asano, CLAMP, and Matsumoto) before the first meeting.

Prerequisite(s) None

Cost(s) \$100 out-of-pocket per student (books), some may be available online, or on loan from the library

Michael Hancock, IMSA Faculty mhanc@imsa.edu

Bing Blang Blaow: An Exploration into Game Theory

Part time Afternoon

This intersession will be exploring game theory in the context of poker. Specifically, students will learn about optimizing their decisions and proper strategies given a variety of situations. Initially, students will be exposed to the mathematics behind poker odds calculations and also the psychology behind metagaming against opponents. During each class, new material will be presented and students will have the opportunity to practice their new knowledge in various simplified forms of poker-type games. At the end of the week, the students will be assessed in a class-wide tournament. Students should be aware that light reading (~30 minutes nightly) may be assigned outside of class and that there is a strict no-gambling policy.

Prerequisite(s) None

Cost(s) \$15 per student to cover cost of supplies and prizes.

Michael Wong, Class of 2011 mike@michaelhwong.com

Noah Prince, IMSA Faculty nprince@imsa.edu

Clay Portrait Using Mathematical Skills

Part time Afternoon

This is a hands on class. Whether or not you have ever made a portrait before, this is your chance to try it out or simply perfect your skills at modeling a portrait. Using skills such as proportions, slope, and basic geometry, along with your observational skills, make a 3/4 or a full life size clay portrait that resembles you or a colleague in the class. This is an excellent foundation and exercise if you later decide to apply technology, by using digital pens and tablets to create 3D objects.

Prerequisite(s) None

Cost(s) No Cost

Monica Balc, IMSA Parent balcart@sbcglobal.net

Caitriona Tobin, IMSA Faculty ctobin@imsa.edu

Philip K. Dick, Science Fiction Grand Master - Story to Film

Part time Afternoon

We'll examine science fiction legend Philip K Dick's life and legacy. Each each day M-Th we'll watch a film based on a novel and read along with an audio book of a short work. Each night M-W we'll read a short story and an excerpt of a longer novel and discuss them the next day, 20 pages max each night. We'll focus on his ideas about reality, identity, and time and see how they have translated into his films. Friday will be brief (5 min) reports on a short work of his we didn't cover and how it relates to the themes we've discussed.

Preliminary film list: Blade Runner, A Scanner Darkly, Adjustment Bureau, and Minority Report. Some of the films will have brief adult content, and most of them will have some adult themes.

Prerequisite(s) None

Cost(s) No Cost

Eric Engelhard, Class of 1996 caliban1717@gmail.com

Tracy Townsend, IMSA Faculty ttownse@imsa.edu

Theater for Children in Spanish

Part time Afternoon

Do you like acting? What about performing in Spanish? And, what if your audience is a group of elementary school children? Sounds like fun? Then, join the group of "actores" that will learn about acting in Spanish, and will perform in front of a bilingual audience. If you do not like to act, but love directing, designing the choreography, setting up scenes, casting, finding prompts, and so forth; this is also for you. This intersession will be conducted in Spanish, so this is your chance to be immersed in the language, and make a huge progress toward your proficiency. Plays are selected so that ANY student learning Spanish can do it.

Prerequisite(s) Any student enrolled in Spanish at any level and Spanish-speaking students.

Cost(s) No Cost

Maria Atienza-Gabas, IMSA Faculty mgabas@imsa.edu

Communicating with Angry Birds: Finnish Language and Culture

Part time Afternoon

Attention all Angry Bird enthusiasts, Linux experts, text messaging pros, and curious students! Finland calls you. This intersession will introduce students to language and culture in Finland, the home of some indispensable innovations. Participants will learn the basics of Finnish (with an emphasis on speaking and communication). They will also explore different aspects of Finnish society, including popular culture, technology, design, and student life. Find out more about your connection to Finland!

Prerequisite(s) None

Cost(s) No Cost

Kitty Lam, IMSA Faculty klam@imsa.edu

A Taste of Chinese Cuisine

Part time Afternoon

Food symbolizes family unity and togetherness in the Chinese culture. It is the most essential cultural element. Using food as a medium, this intersession will help students develop deeper understanding of the Chinese culture. Students will first research and present their understanding of geographical regions and climates and how they influence food. Students will then have an opportunity to experience various Chinese cuisines of different regions to validate their findings in the classroom. In order to make this trip a language and culture immersion experience, students are expected to communicate in Mandarin language as much as possible throughout the entire intersession.

Prerequisite(s) This intersession is open to students currently or previously enrolled in a Mandarin Chinese II or III as well as heritage speakers. Priorities will be given to current Chinese II and III students

Cost(s) \$75 per person, includes transportation and meals for 3 field trips.

Yinshun Wang, IMSA Faculty laoshi@imsa.edu

The Science of Tie Dye

Part time Afternoon

An exploration of tie dyeing and other fabric art and the science behind it. (For example, most pigment dyes will only dye natural fibers. Let's find out why!)

Prerequisite(s) Completion of SI Chemistry or equivalent

Cost(s) Possible small cost

Cheryl Heinz, Class of 1989 cheinz@ben.edu

Sharon McMurray, IMSA Staff smcmurray@imsa.edu

Wargaming: The Intersession

Part time Afternoon

This intersession will expose students to the world of conflict simulations, in particular the table top kind. The participant will select from a wide array of possible simulation types (tactical to strategic) and time frames (the Bronze Age to the near present). Interacting with one to several other students they will "play" out the simulation, learning the mechanics and history of that conflict(s). Several students can also engage in miniature wargaming if desired (Napoleonic or WWII armor).

Prerequisite(s) Will have to meet once with instructor to pick out a simulation and gaming partners. Will be expected to have read the rules before class starts.

Cost(s) No Cost

Lee Eysturlid, IMSA Faculty leysturl@imsa.edu

Happiness: Your Path to Success in Health, Relationships and Work

Part time Afternoon

A common myth is that we will find happiness when we meet with success – when we find the perfect job, when we find the perfect partner or when we get the perfect body. Recent research in the positive psychology or the “Science of Happiness” shows that the reverse is true. Happier people are more likely to be successful in work, relationships and attain good health. The good news is that we can train our mind to be happier, more engaged, creative, motivated, energetic, resilient, and productive at work. It is not about having a silly grin on your face all day (that does help!) but developing a happier and more positive mind-set to achieve the extraordinary in our work and in our lives.

Corey Hornbeck (2013), a graduate from the first Happiness Intersession, will help facilitate this program. We plan to share some fun bio-feedback devices that measure your body's responses to meditation and help you train your brain for deep relaxation.

Prerequisite(s) None

Cost(s) \$35 for CD/digital audio files and work book

Dr Sudesh Kannan, IMSA Parent sudesh@meditation-magic.com

Corey Hornbeck, Class of 2013 coreytyron@gmail.com

Agnieszka Michalak, IMSA Faculty amichal@imsa.edu

Tapping into Our Waves

Part time Afternoon

The Energy Center is offering a half day intersession in the new Energy Center. Students will learn about the basics of fluid dynamics, hydropower generation and the future of tidal power generation. In addition, students will participate in an intersession activity where they will explore the possibility of tidal wave power generation right here in Illinois. Students should be prepared to use 3D pens, 3D scanner and 3D printers.

Prerequisite(s) Basic understanding of electricity and conversation of energy – First Law of Thermodynamics.
Laptops, tablets are required – bring mouse or design pen.
Optional skills: CAD skills

Cost(s) No Cost

Dhruvi Patel, IMSA Staff dpatel3@imsa.edu

PART TIME SESSIONS, Evening 6:30 PM – 9:30 PM

Brain vs. Mind: Human Cognition and Philosophy

Part time Evening

Humans have been discussing their own thought processes for almost as long as they've been able to think- a unique characteristic in the animal kingdom. Even so, our scientific understanding of the brain's function and how cognition actually works is still a relatively new frontier, one which has the potential to expand considerably across multiple disciplines as we try to understand our own cognitive processes more clearly. This intersession will touch on topics including neurobiology and human cognition, as well as the history of how our understanding of thought has changed over time, with the goal of drawing connections between the science of the brain and the philosophy of the mind. Any students interested in neuroscience, cognitive science, or philosophy are encouraged to take this intersession. Students should expect approximately 45 minutes of outside class work each day to complete readings and a final group project.

Prerequisite(s) None

Cost(s) No Cost

Dallas Eckman, Class of 2014 dse21@case.edu

Sarah O'Leary-Driscoll, IMSA Faculty soleary@imsa.edu

"Hip-Hop is Chicagoan" -- A Brief Study of Hip-Hop in Chicago

Part time Evening

Explore Hip-Hop through the lens of the Second City, home of some of the greatest artists in the game. Kanye West, Lupe Fiasco, Common, Twista and youngsters Chief Keef and Chance the Rapper will help us learn how hip-hop started and developed in to the rich and controversial art form that it is today.

Prerequisite(s) Interest in hip hop. Students will have a final presentation/analysis (~500 words analysis or 5-10 minute presentation). They are also required to listen to 5 tracks an evening to prepare for the next day of class.

Cost(s) No Cost

David Lorentzen, Class of 2010 dflorentzen@gmail.com

Andrew Ericson, Class of 2010 akericson@gmail.com

Malik Alim, Class of 2010

Elizabeth Madigan, IMSA Staff emadigan@imsa.edu

Introduction to Improv

Part Time Evening

Improv is a theater form in which everything that is said and done is made up by the actors on the spot based on suggestions from the audience. Students in this intersession will learn the fundamentals of improv through exercises and short-form games similar to those seen on "Whose Line Is It Anyway?" Over the course of the week, the students will learn how to perform improv scenes, develop characters and relationships, the rules of the improv games, and the importance of supporting their teammates and saying "Yes, And...". On Friday, the class will perform a 30 minute show for the IMSA community.

Prerequisite(s) None

Cost(s) \$20 to attend an optional professional improv show on the Saturday following the Intersession.

Brian Sebby, Class of 1996 brians@gmail.com

Kurt Schliep, IMSA Staff kschliep@imsa.edu

OFF-CAMPUS TRIPS

London Intersession-CLOSED SESSION – It's not too late, see sponsor Ms. Micklo – payment must be made in full by November 14, 2014.

Full Time Off-Campus

London is calling! One of the unique things about IMSA is the opportunity for students to explore topics that interest them outside of the classroom, which often happens during Intersession week. This year several History and English teachers are teaming up to take a group of students to London during intersession week with a focus on history (it is the 800th anniversary of the signing of the Magna Carta!) and literature/theatre. The dates of travel are January 3 to January 11, 2015. IMSA faculty members Kirsty Montgomery (a London native), Erin Micklo and Nicole Trackman will accompany the students on this British adventure. Experiencing a different culture firsthand not only broadens a student's outlook on life, but also supplements academic work by allowing the student to experience places s/he has read and heard about. Students who travel to England with us will return home with a heightened cultural awareness and greater historical understanding that can be applied to their interdisciplinary studies at IMSA.

Prerequisite(s) None

Cost(s) The base price for the trip is \$2780. This price includes round trip airfare, lodging, breakfast each day, all transfers in England, federal taxes, miscellaneous airline/airport taxes, tickets to two West End theatre performances, a 7-day pass to ride the London Underground (the Tube), one dinner in London, basic travel insurance (upgraded cancellation policies are available for purchase), and fees/surcharges. We are estimating an additional \$150 per student to cover the following: transportation to Stratford-upon-Avon, a ticket to the Royal Shakespeare Company production of a play in Stratford, a tour of the Globe Theatre in London, and possibly one other tour in London. Checks for \$150 should be made out to IMSA and must be turned in to Erin Micklo by December 10. Not included in program price: passport fees, lunches and dinners in London (one dinner is included), entrance fees to additional London attractions (e.g. London Dungeon, Eye of London, Madame Tussaud's Wax Museum) and baggage fees imposed by the airline where applicable.

Participants are responsible for applying for their passport from the government and paying the required fees (approximately \$100). Allow a minimum of ten weeks to process and receive a U.S. passport. If a student already has a passport, check the expiration date. Make sure that it does not expire until at least three months after the completion of the program. (Non-U.S. citizens should contact the British Consulate in Chicago to inquire about visas). Participants must budget for a minimum \$75 a day for lunch, dinner, and snacks. Additional costs depend entirely on the individual.

Erin Micklo, IMSA Faculty emicklo@imsa.edu
Kirsty Montgomery, IMSA Faculty kmontgomery@imsa.edu
Nicole Trackman, IMSA Faculty ntrackman@imsa.edu

Trip to Spain-CLOSED SESSION

Full Time Off-Campus

Explore Madrid and surrounding areas (Toledo, Avila, Segovia, etc.) and visit the city of Barcelona. Immerse yourself in the language and the culture of Spain. The trip will include sightseeing and cultural and educational activities.

Prerequisite(s) Open to students in Spanish classes or native speakers of Spanish
Cost(s) \$1,900

Jose Palos, IMSA Faculty jpalos@imsa.edu
Brittnee Gilleylen, IMSA Staff bgilleylen@imsa.edu
Kelsee Gilleylen, IMSA Staff kgilleylen@imsa.edu

Foods of the South: American Culture at Its Most Delicious

Full Time Off-Campus

Students will travel to Memphis, TN and Oxford, MI to learn the history and culture of the American South through its varied regional cuisines. Students will engage with the Southern Foodways Alliance, an institute of the Center for the Study of Southern Culture at the University of Mississippi, as well as local restaurateurs and farmers to explore how food and its role in our everyday lives reflects vast insight about ourselves, the people who eat them. Students will also get to explore how food in their own cultures is informed by historical and cultural events. Students will learn how to preserve the heritage of their own cultures by documenting their favorite food's cultural history.

Prerequisite(s) None but students will be asked to engage in readings and viewing short documentaries in a classroom setting before going on the trip.

Cost(s) \$1,200, ~\$500 for Transportation, ~\$300 for Lodging, ~\$200 for Food, ~\$200 Cultural Events. Students will be expected to pay the entire amount.

Brittney Andres, Class of 2004 brittneyjoyce@gmail.com
John Jaeger, Current Staff and Class of 2004 jjaeger@imsa.edu

Culturally Competant Snowboarders –CLOSED SESSION

Full Time Off-Campus

The purpose of this intersession will be for students to learn how to snowboard, as well as understanding how others are treated. Students will travel to Breckenridge Colorado for this experience. During the days, students will learn how to snowboard and will be snowboarding for 3-5 days. There is a possibility of snowshoeing during one of the days, rather than snowboarding. To advance to more difficult slopes, students must pass a variety of skills. Students will not be allowed on some advanced slopes. During the evening hours, students will learn to be culturally competent. Students will gain an appreciation for people who are different. Students will have short writes throughout the week to document their learning with an end of the week writing assignment. The culminating activity on campus will be part of a Special Olympics push that is called Spread the word to end the Word. There will be a day students will lead in March that is the official date for the campaign and the world wide movement.

Prerequisite(s) Students must have a signed permission letter (previously distributed) as well as complete a short essay detailing their interests in the trip. 1-Why do you want to participate in this trip? 2-What experience do you have (none is a good thing)? 3-Why/how will this trip benefit you?

Cost(s) \$1,500 is the current estimated cost. Costs may change. Students are responsible for the costs of the trip.

David Lundgren, IMSA Faculty dlundgren@imsa.edu

Leah Kind, IMSA Faculty lkind@imsa.edu

IMSA/RDFZ International Collaborative SIR-CLOSED-SESSION

Full Time Off-Campus

Students who are currently working on an SIR project in collaboration with students and faculty at RDFZ, IMSA's sister school in Beijing, will spend a week at RDFZ working with their research partners, visiting classes, and also touring university laboratories and important historic and modern Chinese cultural sites.

Prerequisite(s) Students must have Dr. Fischer as their current SIR advisor or co-advisor.

Cost(s) \$1700-2000 per participant

Robyn Fischer, IMSA Staff rfischer@imsa.edu

Peru Service Intersession – CLOSED SESSION

Off Campus

Nuestros Pequeños Hermanos ("Our Little Brothers and Sisters") was founded in 1954 by Father William Wasson; since then over 15,000 children have grown up in the NPH family, which now operates homes in nine countries: Mexico, Bolivia, Honduras, Haiti, Nicaragua, Guatemala, El Salvador, the Dominican Republic and Peru. Nuestros Pequeños Hermanos is a charitable organization serving orphaned and abandoned children in Latin America and the Caribbean. Its mission is to provide these children with shelter, food, clothing, healthcare and education in a family environment. Today, over 3,300 children are being cared for in a loving, secure environment. For several years during intersession (2010, 2011, 2012 and 2014), and spring break 2013, IMSA staff members and students visited an NPH home, Nuestros Pequeños Hermanos, located in Peru. Less than two hours from the nation's capital, Lima, NPH Peru is a thriving community. At this time, over 80 children call NPH Peru their home. NPH Peru is one of the smaller homes, but the impact we have made over the years has been incredibly powerful. The weeks spent at the various NPH homes were a life changing experience for both students and staff, inspiring students to seek out service opportunities abroad as well as the study abroad programs available at the colleges they applied to. NPH Peru is currently working on improving their new home in the heart of Cañete. Part of the work we would be doing on this trip, in addition to working with the students and assisting in the community, would be helping to improve their new home, which we have helped work on over the past four years! In past years, students have had a difficult time adjusting back to life in the US and the "culture shock" of coming home.

Upon our return, the remaining three days of Intersession week will be help ease this transition and reflect and process their experience. Thoughtful reflection of a service learning experience is of utmost importance. When students return to IMSA, they will spend their intersession reflecting on the powerful experience they just took part in through discussions and double journal entries. They will also work on compiling photos and collages as well as writing letters to the children they are sure to have grown to love and adore.

Prerequisite(s) Completed application, RC recommendation, and demonstrated passion to serve children. Students must attend the winter service trip to NPH Peru.

Cost(s) \$2,100.00 per student - this cost will include plane ticket, lodging and food for the week

Kristen Rojas, Former IMSA Staff
Ignacio Rojas, IMSA Staff
Ish Bew, IMSA Staff